

## AGC/WSDOT Structures Team Meeting

August 15, 2003

9:00 AM –12:00 PM NWR Corson Avenue Facility

Attendees:	Company	Phone	E-mail
Ayers Scott	Wilder Const.	425-508-3246	<a href="mailto:scottaye@wilderconstruction.com">scottaye@wilderconstruction.com</a>
Barney Millard	Conc. Tech.	253-383-3545	<a href="mailto:mbarney@concretetech.com">mbarney@concretetech.com</a>
Hilmes Bob	WSDOT	509-324-6232	<a href="mailto:Hilmesb@wsdot.wa.gov">Hilmesb@wsdot.wa.gov</a>
Kapur Jugesh	WSDOT	360-705-7209	<a href="mailto:kapurju@wsdot.wa.gov">kapurju@wsdot.wa.gov</a>
Leachman Dan	Kiewit Const.	425-255-8333	<a href="mailto:dLeachman@kiewit-PBD.com">dLeachman@kiewit-PBD.com</a>
Madden Tom	WSDOT	206-768-5861	<a href="mailto:maddent@wsdot.wa.gov">maddent@wsdot.wa.gov</a>
McCoy Charlie	Atkinson Const.	425-255-7551	<a href="mailto:cmcco@Atkn.com">cmcco@Atkn.com</a>
Quigg John	Quigg Bros.	360-533-1530	<a href="mailto:johnq@quiggbros.com">johnq@quiggbros.com</a>
Sheikhzadeh M.	WSDOT	360-705-7828	<a href="mailto:sheikhm@wsdot.wa.gov">sheikhm@wsdot.wa.gov</a>
Smith Tobin	Max J. Kuney	509-535-0651	<a href="mailto:tobin@maxkuney.com">tobin@maxkuney.com</a>

The meeting started at 9:05 AM. The minutes from the July meeting were approved with a revision to Bob's misspelled last name.

### **Updates on Action Items**

#### **Stand. Specs. 6.02.3(6) (page 6-15) Deck Overhang Bracket Release:**

Jugesh handed out his analysis of the overhang bracket loading. He recommended that the loading be looked at for each bridge individually due to the many variables involved. Jugesh also recommended that a Spec similar to the CalTrans that requires all falsework loading applied to girder webs be within 6" of a flange or stiffener. Temporary struts must be provided to resist lateral loads applied to the girder flanges. The draft version of this Spec was deliberated and approved with minor changes by the team. Please note the attachment to the E-mail.

**Action Item:** Mo will incorporate this change to the 2004 standard Specs.

#### **Stand. Specs. 6-02.3(6)A Cold Weather Protection:**

Mo passed out a revised version of this Spec for the Team's final review and comments. Bob indicated that the current version of the Specs was okay and no changes were necessary. Mo insisted that a change to this Spec was required.

**Action Item:** Bob agreed to write a draft version of this Spec before the next meeting.

#### **Stand. Specs. 6-02.4 Seal Measurement and Payment:**

This updated draft version written by Charlie was reviewed by the team and approved with minor revisions. Please note the attachment to the E-mail.

**Action Item:** Mo will add this update to the 2004 Stand. Specs.

**Stand. Specs 6-02.3(10)**

Charlie's addition of this Spec concerning the use of roller screed for the widenings up to 20' was approved with minor revisions by the team.

**Action Item:** Mo will add this draft addition to the 2004 Specifications.

**Stand. Specs 6-02.3(11)-**

Mo presented the updated specification to include use of geotextile. This issue was further debated and some changes to the draft were proposed.

**Action Item:** Mo will add the specification for the geotextile to the chapter 9.

**Stand. Specs. 6-02.3(11) Retaining Wall Cure Time**

Mo expressed some reservation to change the curing time for the retaining walls to three days based on the longer curing time practiced by other States. Members mentioned that no cracking problems have been noted with the current three-day curing for the abutment walls, curtain, and wingwalls.

**Action Item:** Mo will delete the ten-day cure requirement in the Specs in the 2004 edition.

**Discussion Topic #16 - Stay in Place Pre-cast Deck Panels**

This topic was discussed by the members. Some highlights:

- Texas DOT uses the precast panels extensively. They have experienced longitudinal reflective cracking near the negative moment regions
- Need for grouting under the panels is expensive
- Traffic restrictions and the need for rapid construction over traffic makes use of precast panels attractive

The Contractors asked Jugesh if the panels would be allowed on every contract as an alternate. Jugesh replied that the Bridge Office considers cip decks as preferred and most durable type of deck. He said that use of precast stay in place deck panels would be considered on case-by-case basis for the future contracts. Use of the stay in place decks panels is currently prohibited by the Stand. Specs. 6-02.3(17)

**Action Item:** No further action by the team is necessary

### **Discussion Topic #20 – Camber in Bridge Widening/Stage Construction**

Differential deflections (creep effects) between bridges for staged construction and for particularly more flexible steel superstructures have been a problem in the past. Also, deflection of the stage I structure under traffic while the deck closure is being placed between the two bridge stages has been a challenge in the past. The team members offered the following recommendations:

- Include concrete deck overlays over the entire deck
- Allow for the widest possible closure width between staged structures
- Provide for temporary closure of the stage I to traffic while the deck closure concrete is hardening. If full closure is not possible, possible consider some traffic restrictions

**Action Item:** Mo will relay the above recommendations to the Bridge Office

### **New Discussion Topic**

Determine criteria for vibration restrictions around green concrete.

### **Team Assignments**

The team members will review to discuss the Standard Specs. 6-02.3(16-17) for the September meeting. Also, refer to the pending discussion items and augment with new issues.

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### **Future Meeting Dates**

**Sep. 12, 2003**

**Oct. 10, 2003**

**Nov. 14, 2003**

The meeting adjourned at 12:00 PM.

**Next Meeting August 15, 2003 9:00 AM Corson Ave. Facility**